

IN THE ABSTRACT:

The abstract as amended on the following page with a replacement abstract shows added text with underlining and deleted text with ~~strike-through~~.

Please REPLACE the original abstract with the amended abstract on the following page.

ABSTRACT

Abstract of the Disclosure

~~Disclosed is an automatic blood pressure measuring instrument and method designed to obtain a pulse wave signal and electrocardiogram (ECG) signals from a pressure sensor and an ECG monitor, to analyze correlation between both signals, to operate a maximum blood pressure and a minimum blood pressure based on the analyzed data, and to output the operated result to a display. The~~ An automatic blood pressure measuring instrument comprises for measuring and displaying a blood pressure of a subject in a non-invasive manner includes a pressure sensor for obtaining a pulse wave signal from a wrist of the subject, a pulse wave signal processing section for amplifying, filtering, and noise-removing removing noise from the pulse wave applied from the pressure sensor, an electrocardiogram monitor electrodes for measuring a systolic blood pressure and a diastolic blood pressure and converting the measured results into electrical signals obtaining an electrocardiogram signal of the subject, an electrocardiogram signal processing section for amplifying, filtering, and noise-removing removing noise from the converted electrocardiogram measurement signals applied from the electrocardiogram monitor signal, an A/D converting section for converting the AC signals, which are applied from both the pulse wave signal processing section and the electrocardiogram signal processing section, into DC digital signals, a controlling section for comparing and analyzing the digital pulse wave signal and the digital electrocardiogram signals applied through the A/D converting section signal to operate determine the blood pressure of the subject, and a display for displaying the blood pressure of the subject operated at determined by the controlling section.